

What is claimed is:

1. A modulating method, comprising:

obtaining information to be modulated;

determining a desired waveform to use in modulating the

5 information; and

modulating the information on to said waveform.

10 2. A method as in claim 1, wherein said modulating occurs one full symbol at a time.

15 3. A method as in claim 1, wherein said determining comprises determining a waveform which is bandwidth efficient for a particular application.

4. A method as in claim 1, wherein said modulating comprises cross correlating said information.

20 5. A method as in claim 1, wherein said modulating comprises separating said information into two separate streams of information, and modulating said two separate streams of information in a way that is out of phase with one another.

6. A method of coding signals comprising producing a FQPSK that has no slope discontinuity.

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